baracoda™

orKan 1D CMOS
Bluetooth mobile terminal

- Embedded display for instant data treatment

- Comes with 4 pre-loaded applications

- 1D Laser, 1D CMOS & 2D Full Imager versions

- Withstands several 2 meter drops onto concrete

- IP54

- Bluetooth Class 1 (100m)

- Heavy duty removable battery

- RFID version (coming soon)

orKan

- Transport & Delivery
- Inventory Management
- Picking & Order Preparation
- Goods in / Goods out
- Access Control

Bluetooth®

www.baracoda.com

Electronics Characteristics

CPU	ARM9
Memory	SDRAM 128 Mbits - NAND Flash 64 MBytes
Display characteristics	Graphic monochrome (white & deep blue) - OLED Technology - Diagonal: 1.54 In
Display comments	Up to status bar - capability to display :
	5 lines of 21 characters (small font)
	4 lines of 16 characters (big font)

Real Time Clock (RTC) for timestamp

Scan Engine

Reference (manufacturer)	EV10 (Intermec)
Reading technology	CMOS
Light source	617 nm
Reading distance	4 to 50 cm (for 40mil barcode)
Scan rate	200 scans/second
Scan angle	40°
Light	0 to 100 000 Lux

Reading Modes

Trigger
Aiming
Laser beam ON via Bluetooth
Auto-scan (no duplicate scan)
Manual auto-scan

Depth of Field

5 Mil		3.5	to	7.5	In
10 Mil		2	to	11	In
100% UPC/EAN		2	to	11.5	In
20 Mil		1.5	to	14	In
40 Mil		3	to	20	In

Supported Barcode Symbologies

Linear Barcodes
Code 2 of 5 standard - Interleaved 2 of 5 - Matrix 2 of 5 - Codabar/Monarch - Code 11 - Code 128 - GS-128 (UCC/EAN-128)
Code 39 - Italian PharmaCode - Code 93 - UPC-A - UPC-E - EAN 8 / EAN 13 - JAN 8 & JAN 13 - ISSN / ISBN - MSI
GS1 DataBar Omnidirectionnal (RSS-14) - GS1 DataBar Limited (RSS-14 Limited)

User Interfaces

Buzzer	106 db(A)
LED	2x tricolor (green, orange, red)
Vibrator	yes

Supported Interfaces

Standard dongle	
USB	Plug&Scan
RS232	Plug&Scan

Using Modes

Real time (raw)
Real time with No Data Loss with buffer
Batch

Power Energy

Battery type	Removable battery pack - Lithium Polymer
Battery capacity	2100 mAh
Battery dimension	64.5 x 36 x 12 mm
Charging time	With provided PSU or cradle : 4 hours
Back up battery	

Communication Interfaces

Radio frequence	Bluetooth 2.0 + EDR (SPP profile)
Radio range	Class 1 (100m)
USB	USB v2.0 (micro USB)
Cradle	Depending on cradle version

User Environment

Operating temperature	-10°C - +40°C
Storage temparature	-20°C - +50°C
Humidity	5 - 95 % (non-condensing)
Shocks	Multiple 2m / 6.6ft drops onto concrete (with protective boot)
IP rate	IP 54

Physical Characteristics

Length	134.3 mm
Width	57.1 mm
Height	36.9 mm
Weight	~175 g

Box content

1 orKan terminal with rechargeable battery
1 charger - 1 universal charging adaptor (AUS/EU/US/UK)
1 CD with software and documentation

orKan Accessories

Cradle
Protective boot
External battery

v1.2 - July 2011